

Comparisons of Job Characteristics

Focus Occupation: [Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders \(51-9051\)](#)
Associated Occupation: [Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders \(51-9041\)](#)

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

[Compare Tools and Technologies](#)

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

Knowledge

Similarity of Focus Occupation to Associated Occupation: 88

Focus Occupation: Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders (51-9051)

Associated Occupation: Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders (51-9041)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation
Production and Processing	6.0	11.0	15.7	>> Current knowledge level is likely more than sufficient
Mechanical	6.8	9.5	13.1	>> Current knowledge level is likely more than sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Skills

Similarity of Focus Occupation to Associated Occupation: 88

Focus Occupation: Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders (51-9051)

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Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation
Operation Monitoring	6.6	12.3	13.7	> Skill level is likely sufficient
Operation and Control	5.4	11.2	9.7	< A higher skill level may be required
Troubleshooting	4.5	7.4	3.1	<< Extensive development of skills in this area may be required
Equipment Maintenance	3.5	6.6	2.7	<< Extensive development of skills in this area may be required
Repairing	3.4	6.6	2.0	<< Extensive development of skills in this area may be required
Equipment Selection	3.3	5.8	1.9	<< Extensive development of skills in this area may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Abilities		Similarity of Focus Occupation to Associated Occupation: 62			
Focus Occupation: Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders (51-9051) Associated Occupation: Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders (51-9041)					
Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Reaction Time	4.8	11.5	9.3	<	Some improvement in abilities may be required
Rate Control	3.8	11.4	6.1	<<	Extensive improvement in abilities may be required
Perceptual Speed	7.4	11.2	9.7	<	Some improvement in abilities may be required
Auditory Attention	5.9	10.1	7.6	<<	Extensive improvement in abilities may be required
Hearing Sensitivity	5.6	9.1	2.6	<<	Extensive improvement in abilities may be required
Stamina	4.0	7.3	5.6	<	Some improvement in abilities may be required
Wrist-Finger Speed	3.2	6.7	3.6	<<	Extensive improvement in abilities may be required
Speed of Limb Movement	3.2	6.2	3.7	<<	Extensive improvement in abilities may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common		Similarity of Focus Occupation to Associated Occupation: 98
Focus Occupation: Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders (51-9051) Associated Occupation: Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders (51-9041)		
Work Activities	Exclusivity of Activity	
Adjust production equipment/machinery setup	25	
Clean equipment or machinery	20	
Collect samples for testing	58	
Confer with engineering, technical or manufacturing personnel	25	
Examine products or work to verify conformance to specifications	15	
Load or unload material or workpiece into machinery	34	
Maintain consistent production quality	50	
Maintain or repair industrial or related equipment/machinery	39	
Maintain production or work records	19	
Measure, weigh, or count products or materials	17	

Monitor production machinery/equipment operation to detect problems	27
Operate chemical processing equipment	77
Operate glass or stone working equipment/machinery	80
Operate hoist, winch, or hydraulic boom	34
Operate metal or plastic fabricating equipment/machinery	54
Operate pulp or paper making equipment	81
Operate woodworking equipment/machinery	77
Read work order, instructions, formulas, or processing charts	9
Test manufactured products or materials	64
Use hand or power tools	2
Use precision measuring tools or equipment	17

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Tools and Technologies that Both Occupations Have in Common

Similarity of Focus
Occupation to Associated
Occupation: n/a

Focus Occupation: Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders (51-9051)

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Tools and Technologies

Exclusivity

Tools and technology data is unavailable for one or both occupations.

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.